

ATTY. DKT NO. 15

PATENT

IN THE CLAIMS

1

2

3

4

5

6

7

8

9

10

The following amendments to the claims are made pursuant to the requirements of 37 C.F.R. § 1.121(c). A claim listing is provided beginning on the next page of this response.

Please cancel claims 1-16 without prejudice or disclaimer, as these claims are the subject of a restriction requirement.

Please AMEND the first occurrence of claim "22" and CANCEL the second occurrence of claim "22" as set forth below.

Please add new claims 32-39 as set forth below.

**BEST AVAILABLE COPY**

ATTY. DKT NO. 15

PATENT

1 1 - 16. (canceled)

## ATTY. DKT NO. 15

## PATENT

1           17. (previously presented) A method of content delivery operative in a content  
2 delivery network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers, and wherein participating content providers identify  
4 given content to be delivered over the content delivery network, comprising:  
5           having a participating content provider associate a content provider domain or  
6 subdomain with a domain managed by a content delivery network service provider;  
7           for a given piece of content, specifying, as metadata, a given content control  
8 requirement;  
9           communicating the metadata for the given piece of content to the set of content  
10 servers;  
11           resolving a client query to the content provider domain or subdomain to an IP  
12 address of a given content server in the set of content servers using the domain managed  
13 by the content delivery network service provider; and  
14           at the given content server, applying the given content control requirement  
15 specified in the metadata prior to serving the given piece of content.

ATTY. DKT NO. 15

PATENT

1           18. (previously presented) The method as described in Claim 17 wherein the  
2 content provider domain or subdomain is associated with the domain managed by the  
3 content delivery network service provider through a DNS canonical name.  
4

ATTY. DKT NO. 15

PATENT

- 1           19. (previously presented) The method as described in Claim 17 wherein the  
2 metadata is communicated to the set of content servers in a header.  
3

ATTY. DKT NO. 15

PATENT

- 1           20.   (previously presented) The method as described in Claim 17 wherein the
- 2   metadata is communicated to the set of content servers in a configuration file.
- 3

ATTY. DKT NO. 15

PATENT

- 1 21. (previously presented) The method as described in Claim 20 wherein the
- 2 configuration file is provisioned via an extranet application.

ATTY. DKT NO. 15

PATENT

1           22.   (first occurrence, currently amended) The method as described in Claim 17  
2   wherein the given content control requirement enforces a given authentication method or a  
3   given access control method.

4

5           22.   (second occurrence, canceled)

6



ATTY. DKT NO. 15

PATENT

1           23.   (previously presented) The method as described in Claim 17 wherein the  
2   metadata is a request metadata component.  
3

ATTY. DKT NO. 15

PATENT

1           24. (previously presented) The method as described in Claim 17 wherein the  
2 metadata is a response metadata component.  
3

ATTY. DKT NO. 15

PATENT

1           25. (previously presented) A method of content delivery operative in a content  
2 delivery network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers, and wherein participating content providers identify  
4 given content to be delivered over the content delivery network, comprising:  
5           having a participating content provider alias a content provider domain to a domain  
6 managed by a content delivery network service provider, wherein the content provider  
7 domain is part of a URL identifying a given piece of content published by the participating  
8 content provider;  
9           for the given piece of content, specifying, as metadata, a given content control  
10 requirement;  
11           resolving a client query to the content provider domain to an IP address of a given  
12 content server in the set of content servers using the domain managed by the content  
13 delivery network service provider; and  
14           at the given content server, applying the given content control requirement  
15 specified in the metadata prior to serving the given piece of content.  
16

ATTY. DKT NO. 15

PATENT

1           26. (previously presented) The method as described in Claim 25 further  
2 including the step of communicating the metadata to the set of content servers.  
3

ATTY. DKT NO. 15

PATENT

1           27.   (previously presented) The method as described in Claim 26 wherein the  
2   metadata is communicated to the set of content servers via a configuration file.  
3

ATTY. DKT NO. 15

PATENT

1           28.   (previously presented) The method as described in Claim 25 wherein the  
2   given content control requirement invokes a security mechanism.  
3

ATTY. DKT NO. 15

PATENT

1           29.   (currently amended) The method as described in Claim 25 wherein the  
2   given piece of content is one of: a markup language page, an embedded object of a markup  
3   language page, a media file, and a software download.  
4

ATTY. DKT NO. 15

PATENT

1           30.    (currently amended) The method as described in Claim ~~25~~ 17 wherein the  
2    given piece of content is ~~an embedded object of a markup language page~~ one of: a markup  
3    language page, an embedded object of a markup language page, a media file, and a  
4    software download.  
5



ATTY. DKT NO. 15

PATENT

- 1 31. (previously presented) The method as described in Claim 25 wherein the
- 2 alias is a DNS canonical name (CNAME).

ATTY. DKT NO. 15

PATENT

1 Please add the following new claims:

ATTY. DKT NO. 15

PATENT

- 1 32. (new) The method as described in Claim 17 wherein the metadata is
- 2 communicated to the set of content servers in one of: a request string, a header, and a
- 3 configuration file.

ATTY. DKT NO. 15

PATENT

1           33.   (new) A method of content delivery operative in a content delivery  
2 network on behalf of participating content providers, the content delivery network  
3 comprising a set of content servers and a domain name service (DNS), and wherein a  
4 participating content provider identifies given content to be delivered over the content  
5 delivery network by aliasing a content provider domain or subdomain to a domain  
6 managed by a content delivery network service provider, comprising:  
7           for a given piece of content, specifying, as metadata, a given content control  
8 requirement to be applied to the given piece of content when the given piece of content is  
9 served from the content delivery network;  
10           communicating the metadata for the given piece of content to the set of content  
11 servers in the content delivery network;  
12           resolving a client query to the content provider domain or subdomain to an IP  
13 address of a given content server in the set of content servers by having the domain name  
14 service resolve the domain managed by the content delivery network service provider;  
15           at the given content server, applying the given content control requirement  
16 specified in the metadata; and  
17           serving the given piece of content from the given content server after the given  
18 content control requirement has been applied.

ATTY. DKT NO. 15

PATENT

1           34.   (new) The method as described in Claim 33 wherein the metadata is  
2   communicated to the set of content servers in the content delivery network by one of: a  
3   request string, a header, and a configuration file.  
4  
5

ATTY. DKT NO. 15

PATENT

1           35.   (new) The method as described in Claim 34 wherein the configuration file  
2 is provisioned via an extranet application.  
3  
4

ATTY. DKT NO. 15

PATENT

- 1 36. (new) The method as described in Claim 33 wherein the given content
- 2 control requirement enforces a given authentication method.
- 3

ATTY. DKT NO. 15

PATENT

1           37.   (new) The method as described in Claim 33 wherein the given content  
2   control requirement enforces a given access control method.  
3



ATTY. DKT NO. 15

PATENT

- 1 38. (new) The method as described in Claim 33 wherein the given content
- 2 control requirement invokes a security mechanism.
- 3

ATTY. DKT NO. 15

PATENT

- 1           39.   (new) The method as described in Claim 33 wherein the given piece of  
2   content is one of: a markup language page, an embedded object of a markup language  
3   page, a streaming media file, and a software download.

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**